



Figure S 12: Melts of R-00-23J and S-00 and their mixture. Tile R-00-23J has the same core as R-00, but replaces the correspondingly-numbered strands by R00-2J (70-mer, 664820 /M/cm) CATTCTGGACGCCACGGTCAAGTTTTCTTGACCGTTTAAGATAGCACCTCGACTCATTTCCTGCGGTAG, and R00-3J (70-mer, 681480 /M/cm) CAGTAGCCTGCTATCGGTTGTGTTTTTCACAACCGTTCTTATGGCGTGGCAAATGAGTCGAGGACGGATCG. Absorbance values were normalized to the maximum and minimum of the single-tile curves. The average of the R-00-23J curve and the S-00 curve is drawn in cyan; above 40°C it agrees with the melting curve of the R-00-23J + S-00 mixture, indicating that the melting temperature of this crystal is below 40°C at 0.2  $\mu$ M.